PE NUMBER: 0603742F
PE TITLE: Combat Identification Technology

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0603742F Combat Identification Technology

	Cost ($ in Millions)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
	Total Program Element (PE) Cost	49.569	26.407	26.054	26.046	24.602	24.471	24.554	24.977	Continuing	TBD
2597	Noncooperative Identification Subsystems	26.649	17.501	20.275	20.567	20.939	21.121	21.515	21.945	Continuing	TBD
2599	Cooperative Identification Techniques	22.920	8.906	5.779	5.479	3.663	3.350	3.039	3.032	0.000	56.165

(U) A. Mission Description and Budget Item Justification

U.S. Combat Air Forces have a critical requirement to positively identify enemy, friendly, and neutral aircraft, battlefield equipment and personnel in order to increase combat effectiveness and prevent fratricide. Numerous Joint needs statements, operational documents, lessons learned, and NATO requirements documents also state the need for positive combat identification (CID). High confidence CID enables combatant commanders to effectively command and control their forces in all weather and day/night.

The Combat Identification (CID) Technology program analyzes, develops, and demonstrates promising target identification technologies in order to transition them into Systems Development/Demonstration (SD/D) programs. These technologies include both cooperative and non-cooperative techniques that will improve our ability to positively identify ground and air targets in both Air-to-Surface and Air-to-Air engagements. This program will participate in the development, testing, and implementation of international standards (to include NATO standardization agreements) to ensure joint, Allied, and coalition interoperability.

Non-cooperative CID employs a number of sensing and signal processing techniques and compares the results against a database of known objects to determine identity. The non-cooperative CID techniques can be used for identifying surface or air threats from air platforms. These technologies include: (1) Laser Vision, an electro-optical imaging system that significantly increases ID ranges and includes the Laser Target Imaging Program (LTIP), Advanced (3D) Laser Sensing (ALS)/ATR Combat ID Program; (2) Radar Vision, an air-to-ground radar imaging technique to identify objects using their radar signatures; (3) the High Range Resolution (HRR) algorithm development program that uses radar signals processing to increase ID range and confidence; (4) The Fusion Vision Program, a fusion of sensor data from multiple sources to create a higher confidence in CID of surface or air targets; and (5) The Target Signature (multispectral) Database Development Program. A robust database program of surface and air targets from various countries populated from multiple sources. Within these programs the goal is to bring algorithm maturation to the point to allow for data fusion sufficient to support Automatic Target Cueing (ATC) and Automatic Target Recognition (ATR).

Current and future space-based systems can facilitate these processes leading ultimately to Automatic Target Recognition (ATR) fusion and net-centric warfare. Fusion Vision focuses on combining the identifying features of several sensors that sample distinct signatures of air and surface targets, to better accomplish the CID mission. ATR focuses on development, demonstration, and integration of technologies drawing upon all available information data elements or platforms e.g. (national, tactical, fighter, bomber, ISR). The desired outcome would provide the operational-level decision maker a single, fused display of all threats or assets. These technologies must provide near-real time information, to include Special Compartmented Information (SCI) and classified data information, to the operational

and tactical level decision makers for both ground and airborne systems. Efforts, such as Blue Force Tracking (BFT) and Joint Blue Force Situational Awareness (JBFSA), focus on development and approval of new technologies so all this information can be shared across security levels, services and with foreign participants.

Cooperative CID techniques require a system that allows rapid identification of a friendly system. In an air-to-ground setting, this can be in the form of unique markings on a vehicle or a radio-based reply that is activated by a directed signal. In both an air-to-air and surface-to-air setting, this program element funds the growth to Mark XIIA, the Next Generation Identification Friend or Foe (IFF) standard for NATO and Joint Services, through the development of Mode 5 capability within Mark XII equipment. IFF performance was highlighted as a significant deficiency in Operation Iraqi Freedom. Mode 5 implementation within the Air Force began with the fielding of new digital Mark XII hardware capable of Mode S for Air Traffic Control (ATC), and upgradeable to Mode 5 with new cryptologic gear, processor cards, and software. The development funded by this program element ensures availability of an upgrade path for implementing platforms across the Air Force fleet.

This program is in Budget Activity 4 - Advanced Component Development and Prototypes (ACD&P). The PE includes advanced technology demonstrations that help transition technologies from laboratory to operational use.

(U) B. Program Change Summary ($ in Millions)

		FY 2006	FY 2007	FY 2008	FY 2009
(U)	Previous President's Budget	51.146	26.517	20.643	20.882
(U)	Current PBR/President's Budget	49.569	26.407	26.054	26.046
(U)	Total Adjustments	-1.577	-0.110		
(U)	Congressional Program Reductions		-0.010		
	Congressional Rescissions	-0.002	-0.100		
	Congressional Increases	0.000			
	Reprogrammings	-0.195			
	SBIR/STTR Transfer	-1.380			

(U) Significant Program Changes:

Mode 5 program increases in FY08, FY09, and FY10 fund Air Force synchronization and systems engineering effort as the AF integrates Mode 5 capability into various platforms.

Exhibit R-2a, RDT&E Project Justification		DATE: February 2007
BUDGET ACTIVITY: 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE: 0603742F Combat Identification Technology	PROJECT NUMBER AND TITLE: 2597 Noncooperative Identification Subsystems

Cost ($ in Millions)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
2597 Noncooperative Identification Subsystems	26.649	17.501	20.275	20.567	20.939	21.121	21.515	21.945	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

Non-cooperative CID employs a number of sensing and signal processing techniques and compares the results against a database of known objects to determine identity. The non-cooperative CID techniques can be used for identifying surface or air threats from air platforms. These technologies include: (1) Laser Vision, an electro-optical imaging system that significantly increases ID ranges and includes the Laser Target Imaging Program (LTIP), Advanced (3D) Laser Sensing (ALS)/ATR Combat ID Program; (2) Radar Vision, an air-to-ground radar imaging technique to identify objects using their radar signatures; (3) the High Range Resolution (HRR) algorithm development program that uses radar signals processing to increase ID range and confidence; (4) The Fusion Vision Program, a fusion of sensor data from multiple sources to create a higher confidence in CID of surface or air targets; and (5) The Target Signature (multispectral) Database Development Program. A robust database program of surface and air targets from various countries populated from multiple sources. Within these programs the goal is to bring algorithm maturation to the point to allow for data fusion sufficient to support Automatic Target Cueing (ATC) and Automatic Target Recognition (ATR).

This program is in Budget Activity 4 - Advanced Component Development and Prototypes (ACD&P). It includes advanced technology demonstrations that help transition technologies from laboratory to operational use.

(U) B. Accomplishments/Planned Program ($ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009
(U) Transition / convert the High Range Resolution (HRR) synthetic target database developed in conjunction with National Air and Space Intelligence Center (NASIC) to the Target Signature Data Base for use on multiple platforms. Program awaiting target database development.	5.581	0.550	0.000	0.000
(U) Establish and develop the Target Signature (multispectral) Database Development Program. A robust database program of surface and air targets from various countries populated from multiple sources. Incorporate the analysis and database developed in prior years by the HRR program.		3.094	3.257	0.359
(U) Transition verified air-to-ground and air-to-air identification capabilities for reduced battle space fratricide and enhanced mission performance and develop/demonstrate promising future capabilities. Program candidates include the integration of Laser Vision/LTIP into designated platforms, to include Advanced LTIP projects, development of 1st generation Electro Optical/Automatic Target Cueing/Automatic Target Recognition (EO/ATC/ATR) Laser Vision capability, development/demonstration of advanced 3D Laser Sensing, and insertion of mature/hardened camera technologies into alternate platforms.	18.422	11.125	13.432	15.160

Exhibit R-2a, RDT&E Project Justification		DATE: February 2007
BUDGET ACTIVITY: 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE: 0603742F Combat Identification Technology	PROJECT NUMBER AND TITLE: 2597 Noncooperative Identification Subsystems

(U) B. Accomplishments/Planned Program ($ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009
(U) Establish and develop Fusion Vision program, a fusion of sensor data from multiple sources to create a high confidence in CID of surface and air targets.		0.000	0.875	2.000
(U) Fund Air Traffic Control Radar Beacon Systems Identification Friend or Foe Mark XIIA System (AIMS) Program Office support of the Mark XIIA system to include current and next generation IFF equipment integration, including Mode 5 documentation and individual IFF system/box certification.	0.852	0.863	1.051	1.099
(U) Continue funding Combat Indentification technology flight and other engineering support necessary for management of CID efforts.	1.371	1.837	1.298	1.338
(U) Conduct CID-related studies/demos and conferences. Execute Mode 5 IFF flight test preparations and demonstration to assess system operational capacity, interoperability, and equipment integration. Studies and demonstrations will include those directed by Joint Staff and OSD to research and evaluate a family of CID systems, linkage between airborne and ground-based non-cooperative CID technologies/systems, and quantify the relationship between CID and improved combat effectiveness.	0.423	0.032	0.362	0.611
(U) Total Cost	26.649	17.501	20.275	20.567

(U) C. Other Program Funding Summary ($ in Millions)

	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total Cost
(U) Not Applicable										

(U) D. Acquisition Strategy

The acquisition strategy for CID programs is to investigate, develop, and transition CID capabilities via contract vehicles that provide the greatest benefit to the end-user in the areas of performance, value, and transition timeline.

Exhibit R-3, RDT&E Project Cost Analysis

DATE: February 2007

BUDGET ACTIVITY: 04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE: 0603742F Combat Identification Technology

PROJECT NUMBER AND TITLE: 2597 Noncooperative Identification Subsystems

(U) Cost Categories (Tailor to WBS, or System/Item Requirements) ($ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2006 Cost	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) Product Development														
Raytheon Company	C/CPFF	El Segundo, CA	18.007	3.031	Feb-06	0.210	Feb-07					0.000	21.248	21.248
Northrop Grumman Corporation	C/CPFF	Linthicum Heights, MD	8.010	9.208	Jan-06	7.351	Jan-07	8.152	Jan-08	6.868	Jan-09	Continuing	TBD	TBD
Lockheed Martin	OTA	Orlando FL	15.645	0.146	Dec-05							0.000	15.791	15.791
Northrop Grumman Corporation (JSTARs support)	C/CPFF	Melbourne, FL	0.000	0.758	Aug-06							0.000	0.758	0.760
Science Applications Internation Corporation	SS/CPFF	Dayton, OH	18.185	4.002	Feb-06	2.076	Nov-06	1.159	Nov-07	0.678	Nov-08	Continuing	TBD	TBD
AIMS Program Office	MIPR/PO	Warner Robins, GA	3.224	0.852	Oct-05	0.863	Oct-06	1.051	Oct-07	1.099	Oct-08	Continuing	TBD	TBD
General Dynamics (formerly Veridian)	C/CPFF	Buffalo, NY	1.130	1.345	Mar-06	0.250	Nov-06	0.257	Nov-07	0.265	Nov-08	Continuing	TBD	TBD
Sverdrup Technology	C/CPFF	Ft Walton Beach, FL	1.065	1.307	Feb-06	0.545	Nov-06	0.524	Nov-07	0.540	Nov-08	Continuing	TBD	TBD
Wyle Laboratories	C/PO	Dayton, OH		0.200	Feb-06							0.000	0.200	0.200
CISC Support	C/LH	Fairfax, VA		0.085	Feb-06			0.050	Jan-08	0.100	Jan-09	Continuing	TBD	TBD
DOE - Sandia National Labs	MIPR	Albuquerque, NM	0.390	0.700	Feb-06								1.090	1.090
AFIT	PO	WPAFB, OH	0.027	0.023	Jan-06	0.032	Nov-06	0.033	Nov-07	0.035	Nov-08	Continuing	TBD	TBD
AFRL/SNZ (Fusion Vision)	AF616	WPAFB, OH						0.875	Nov-07	2.000	Nov-08	Continuing	TBD	TBD
AFRL/SNJ (3D Laser)	AF616	WPAFB, OH				0.424	Jan-07	1.500	Dec-07	4.400	Dec-08	Continuing	TBD	TBD
Multi-Sensor DB Analysis	AF616	WPAFB, OH				2.242	Jan-07	2.687	Dec-07	0.359	Dec-08	Continuing	TBD	TBD
Combat ID Analysis	AF616	WPAFB, OH						0.279	Dec-07	0.476	Dec-08	Continuing	TBD	TBD
Subtotal Product Development			65.683	21.657		13.993		16.567		16.820		Continuing	TBD	TBD
Remarks:														
(U) Support														
SPO support	Various	Hanscom	8.612	1.926	Oct-05	2.197	Oct-06	2.111	Oct-07	2.174	Oct-08	Continuing	TBD	TBD
Air Force Research Laboratory	MIPR	WPAFB, OH	3.048	0.250	Oct-05	0.275	Oct-06	0.283	Oct-07	0.292	Oct-08	Continuing	TBD	TBD
MITRE	Various	Hanscom AFB, MA	0.637	0.277	Nov-05	0.283	Nov-06	0.291	Nov-07	0.300	Nov-08	Continuing	TBD	TBD
Subtotal Support			12.297	2.453		2.755		2.685		2.766		Continuing	TBD	TBD
Remarks:														
(U) Test & Evaluation														
46th Test Wing	MIPR/PO	Eglin AFB, FL	4.689	1.001	Jan-06	0.062	Apr-07	0.500	Dec-07	0.515	Dec-08	Continuing	TBD	TBD
412th Test Wing	MIPR/PO	Edwards AFB, CA	0.616	0.361	Dec-05	0.440	Nov-06	0.453	Nov-07	0.466	Nov-08	Continuing	TBD	TBD
Navy Systems Mgmt Activity	MIPR	Arlington,		0.161	Mar-06							0.000	0.161	0.161

Exhibit R-3, RDT&E Project Cost Analysis

DATE: February 2007

BUDGET ACTIVITY: 04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE: 0603742F Combat Identification Technology

PROJECT NUMBER AND TITLE: 2597 Noncooperative Identification Subsystems

Aberdeen Proving Ground	MIPR	VA Aberdeen Proving Ground, MD		0.075	Feb-06	0.025	Apr-07				0.000	0.100	0.100
Ft AP Hill	MIPR	Ft. Belvoir, VA		0.025	Aug-06						0.000	0.025	0.025
DIA & TSMO	MIPR	Redstone Arsenal, AL		0.058	Nov-06						0.000	0.058	0.058
Have Centaur	PO	Las Vegas, NV		0.110	Feb-06						0.000	0.110	0.110
Have Centaur	PO	WSMR, NM		0.055	Apr-06						0.000	0.055	0.055
Have Centaur	PO	Eglin AFB, FL		0.114	May-06						0.000	0.114	0.114
Naval Air Force	MIPR	San Diego, CA		0.031	Sep-06						0.000	0.031	0.031
HRR Test Activities	MIPR/PO	Various				0.190	Feb-07	0.070	Jan-07		0.000	0.260	0.260
JSTARS Test Facility	Suballotment	Patrick AFB, FL		0.548	Aug-06						0.000	0.548	0.548
AFRL - Northrop Grumman	C/CPFF	McLean, VA				0.036	Nov-06				0.000	0.036	0.036
Subtotal Test & Evaluation			5.305	2.539		0.753		1.023		0.981	Continuing	TBD	TBD
Remarks:													
(U) Management												0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000	0.000
Remarks:													
(U) Total Cost			83.285	26.649		17.501		20.275		20.567	Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile		DATE February 2007
BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0603742F Combat Identification Technology	PROJECT NUMBER AND TITLE 2597 Noncooperative Identification Subsystems

Combined Schedules and Milestones

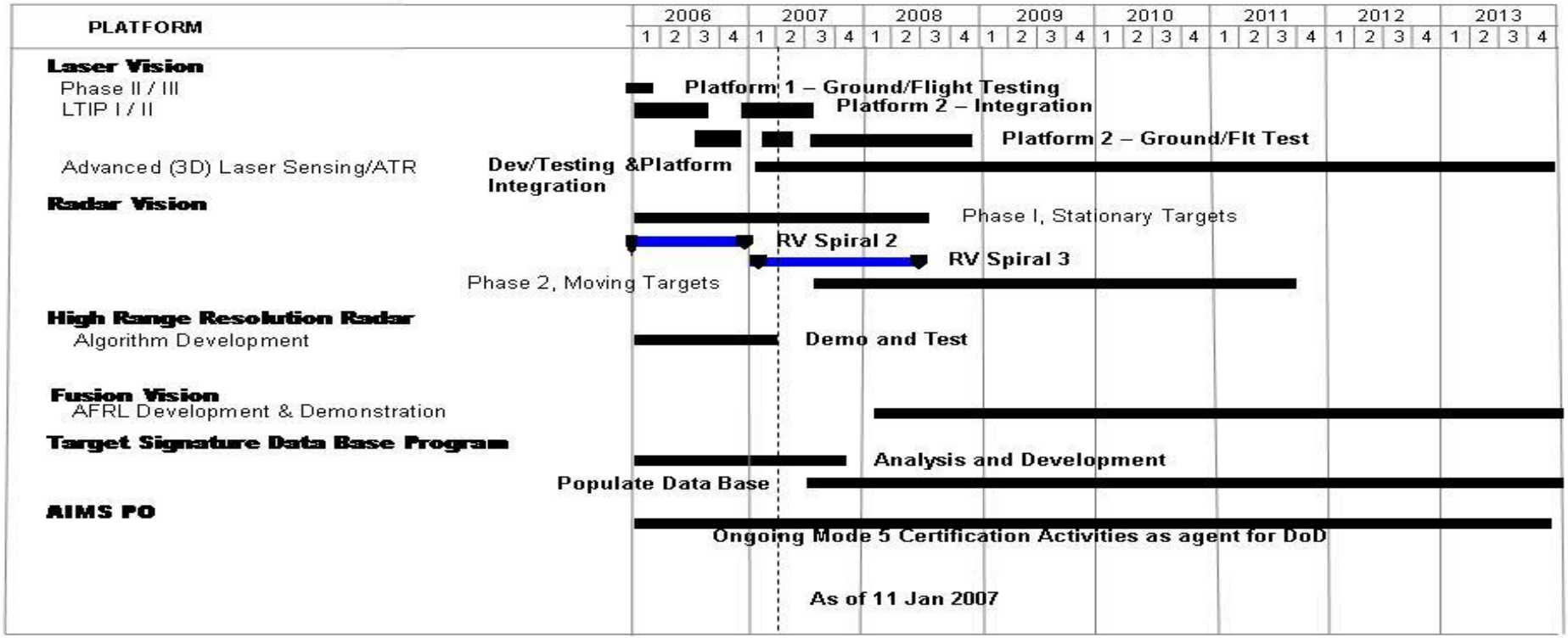

Exhibit R-4a, RDT&E Schedule Detail		DATE: February 2007
BUDGET ACTIVITY: 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE: 0603742F Combat Identification Technology	PROJECT NUMBER AND TITLE: 2597 Noncooperative Identification Subsystems

(U) Schedule Profile	FY 2006	FY 2007	FY 2008	FY 2009
(U) LASER VISION - Phase II / III	1Q			
(U) LASER VISION - LTIP I / LTIP II Platform 2 Integration	1-4Q	1-3Q		
(U) LASER VISION - LTIP I / LTIP II Platform 2 Ground/Flt Test	3-4Q	1-4Q	1-4Q	
(U) LASER VISION - Advanced Laser Sensing (3D) Development		1-4Q	1-4Q	1-4Q
(U) RADAR VISION - Phase I - Stationary Target Recognition	1-4Q	1-4Q	1-3Q	
(U) RADAR VISION - Radar Vision Spiral 2	1-4Q			
(U) RADAR VISIOV - Radar Vision Spiral 3		1-4Q	1-3Q	
(U) RADAR VISION - Phase 2 - Moving Target Recognition		3-4Q	1-4Q	1-4Q
(U) HIGH RANGE RESOLUTION RADAR - Algorithum Development	1-4Q	1Q		
(U) FUSION VISION - AFRL Development and Demonstration			1-4Q	1-4Q
(U) TARGET SIGNATURE DATA BASE - Analysis & Development	1-4Q	1-4Q		
(U) TARGET SIGNATURE DATA BASE - Database Population		3Q	1-4Q	1-4Q
(U) AIMSPO - IFF Certification Activities	1-4Q	1-4Q	1-4Q	1-4Q

Exhibit R-2a, RDT&E Project Justification		DATE: February 2007
BUDGET ACTIVITY: 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE: 0603742F Combat Identification Technology	PROJECT NUMBER AND TITLE: 2599 Cooperative Identification Techniques

	Cost ($ in Millions)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
2599	Cooperative Identification Techniques	22.920	8.906	5.779	5.479	3.663	3.350	3.039	3.032	0.000	56.165
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

Cooperative CID techniques require a system that allows rapid identification of a friendly system. In an air-to-ground setting, this can be in the form of unique markings on a vehicle or a radio-based reply that is activated by a directed signal. In both an air-to-air and surface-to-air setting, this program element funds the growth to Mark XIIA, the Next Generation Identification Friend or Foe (IFF) standard for NATO and Joint Services, through the development of Mode 5 capability within Mark XII equipment. IFF performance was highlighted as a significant deficiency in Operation Iraqi Freedom. Mode 5 implementation within the Air Force began with the fielding of new digital Mark XII hardware capable of Mode S for Air Traffic Control (ATC) and upgradeable to Mode 5 with new cryptologic gear, processor cards, and software. The development funded by this program element ensures availability of an upgrade path for implementing platforms across the Air Force fleet.

This project is in Budget Activity 4 - Advanced Component Development and Prototypes (ACD&P). The PE includes advanced technology demonstrations that help transition technologies from laboratory to operational use. Also, the project will participate in the development, testing, and implementation of international standards (to include NATO standardization agreements) to ensure joint, Allied, and coalition interoperability.

	B. Accomplishments/Planned Program ($ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009
(U)	Continue the Mode 5 upgrade to the APX-119 transponder, the APX-114 interrogator, and the APX-113 Combined Interrogator/Transponder (CIT). Continue the Mode 5 upgrade to interrogators such as the UPX-40 interrogator on the AWACS. Provide systems engineering and program management to facilitate planned platform integrations, including interoperability testing.	22.920	8.906	5.779	5.479
(U)	Total Cost	22.920	8.906	5.779	5.479

(U) C. Other Program Funding Summary ($ in Millions)

	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total Cost
(U) Not applicable										

(U) D. Acquisition Strategy

To develop the Mode 5 capability in the digital Mark XII IFF equipment in or planned for use on AF platforms, and provide systems engineering and program management in order to facilitate the integration into all AF mission design series (MDS), or platforms, and transition the AF cooperative ID capability to Mark XIIA.

Exhibit R-3, RDT&E Project Cost Analysis

DATE: **February 2007**

BUDGET ACTIVITY: **04 Advanced Component Development and Prototypes (ACD&P)**

PE NUMBER AND TITLE: **0603742F Combat Identification Technology**

PROJECT NUMBER AND TITLE: **2599 Cooperative Identification Techniques**

(U) Cost Categories (Tailor to WBS, or System/Item Requirements) ($ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2006 Cost	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) Product Development														
BAE	C/CPFF	Greenlawn, NY		6.350	Jun-06	3.100	Jan-07	0.380	Nov-07	0.800	Nov-08	Continuing	TBD	TBD
Boeing/Telephonics	C/CPFF	Farmingdale, NY		7.083	Jun-06					0.800	Nov-08	Continuing	TBD	TBD
Raytheon	C/CPFF	Baltimore, MD		7.850	Apr-06	4.211	Jan-07	3.289	Nov-07	0.800	Nov-08	Continuing	TBD	TBD
Subtotal Product Development			0.000	21.283		7.311		3.669		2.400		Continuing	TBD	TBD
Remarks:														
(U) Support														
SPO Support	Various	Various		1.053	Mar-06	1.395	Oct-06	1.550	Oct-07	1.554	Oct-08	Continuing	TBD	TBD
Subtotal Support			0.000	1.053		1.395		1.550		1.554		Continuing	TBD	TBD
Remarks:														
(U) Test & Evaluation														
JFCOM	MIPR	Norfolk, VA		0.100	Jun-06			0.110	Mar-08	0.115	Mar-09	Continuing	TBD	TBD
46 Test Wing	PO	Eglin AFB, FL		0.040	Jun-06			0.150	Mar-08	1.100	Mar-09	Continuing	TBD	TBD
Subtotal Test & Evaluation			0.000	0.140		0.000		0.260		1.215		Continuing	TBD	TBD
Remarks:														
(U) Management														
Systems Engineering/Program Management (AIMS PO)	AF616	Robins AFB, GA		0.444	Apr-06	0.200	Feb-07	0.300	Feb-08	0.310	Feb-09	Continuing	TBD	TBD
Subtotal Management			0.000	0.444		0.200		0.300		0.310		Continuing	TBD	TBD
Remarks:														
(U) Total Cost			0.000	22.920		8.906		5.779		5.479		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile		DATE February 2007
BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0603742F Combat Identification Technology	PROJECT NUMBER AND TITLE 2599 Cooperative Identification Techniques

Combined Schedules and Milestones

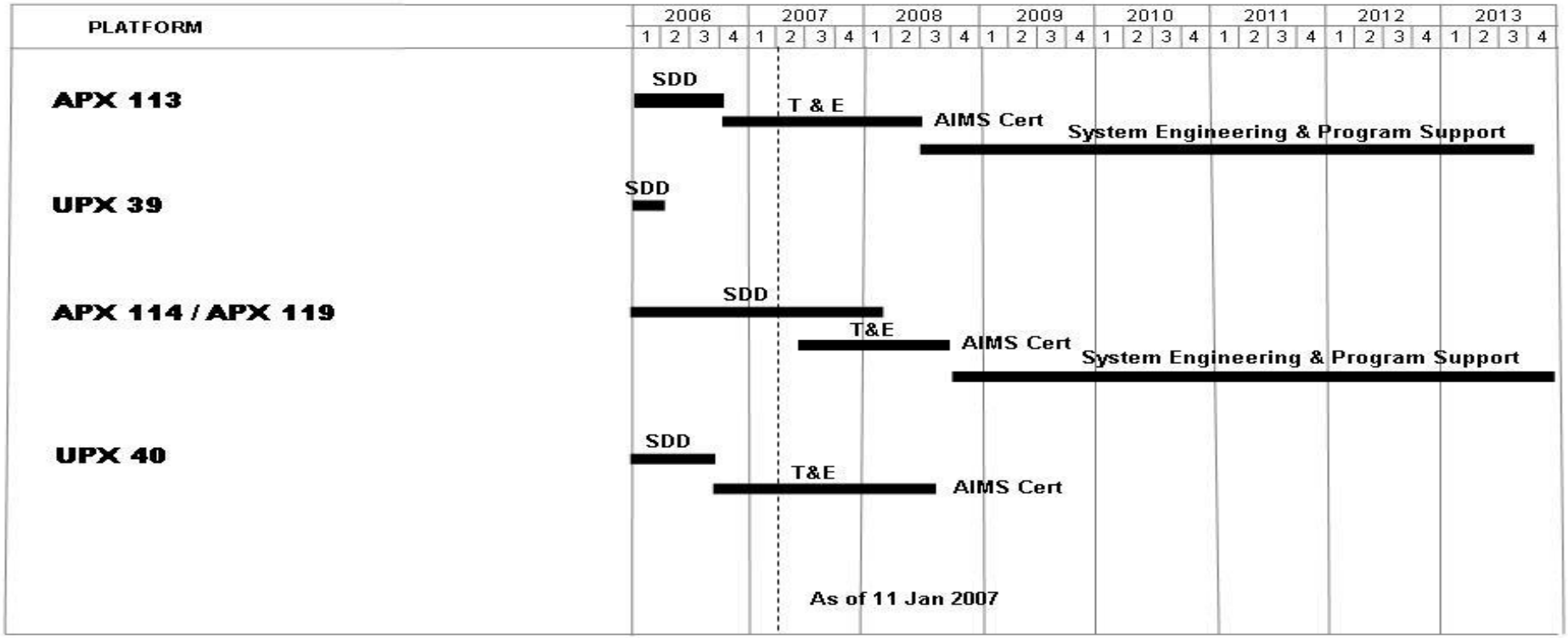

Exhibit R-4a, RDT&E Schedule Detail		DATE: February 2007
BUDGET ACTIVITY: 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE: 0603742F Combat Identification Technology	PROJECT NUMBER AND TITLE: 2599 Cooperative Identification Techniques

(U) Schedule Profile	FY 2006	FY 2007	FY 2008	FY 2009
(U) APX-113 - Systems Development/Demonstration	1-3Q			
(U) APX-113 - Test and Evaluation	4Q	1-4Q	1-2Q	
(U) APX-113 - AIMS Certification			1-2Q	
(U) APX-113 System Engineering & Program Support			3-4Q	1-3Q
(U) UPX-39	1Q			
(U) APX-114/APX-119 - Systems Development/Demonstration	1-4Q	1-4Q	1Q	
(U) APX-114/APX-119 - Test and Evaluation		3-4Q	1-3Q	
(U) APX-114/APX-119 - AIMS Certification			2-4Q	
(U) APX-114 / APX-119 System engineering & Program Support			3-4Q	1-4Q
(U) UPX-40 - Systems Development/Demonstration	1-3Q			
(U) UPX-40 - Test and Evaluation	3-4Q	1-4Q	1-2Q	
(U) UPX-40 - AIMS Certification			1-3Q	